

Setting Up ISDE Environment – Install LiveCD to Hard Disk for MacOS

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Introduction

The purpose of this tutorial is to instruct ARM VAP/Ingest Developers how to configure the local LiveCD to be installed persistently on a MacOS machine local disk. The LiveCD provides access a pre-built ISDE environment configured on an ISO image and its state does not get automatically saved to disk. This process will provide developers to have an installation locally installed and whose state is automatically saved.

Tutorial Objectives

By the end of this tutorial you should have a basic understanding how to install the local LiveCD to hard disk .

Intended Audience

This tutorial is provided for the benefit of ARM VAP/Ingest Developers or any ARM users wanting to run existing VAPs/Ingests in ISDE from their desktop.

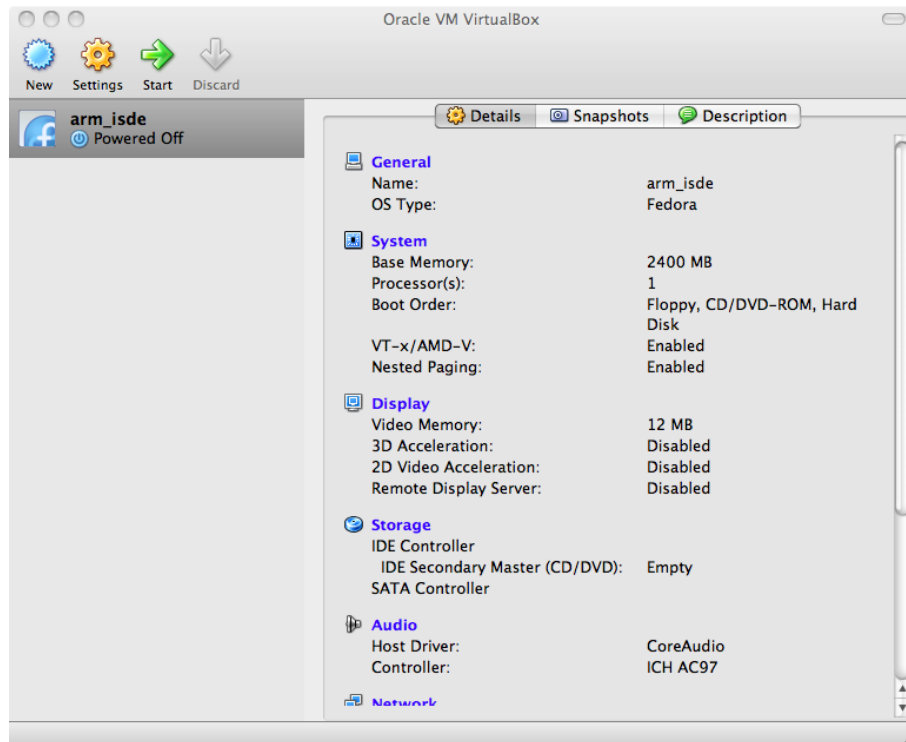
Prerequisites

- Prior to this tutorial, you must follow the directions for the **Live CD** installation .
- A system with at least 2GB of available memory at the time of installation (at least 4GB total memory).
- At the time of installation at least 10GB of memory, if this installation requires data to be save persistently a minimum of 40GB is preferred.

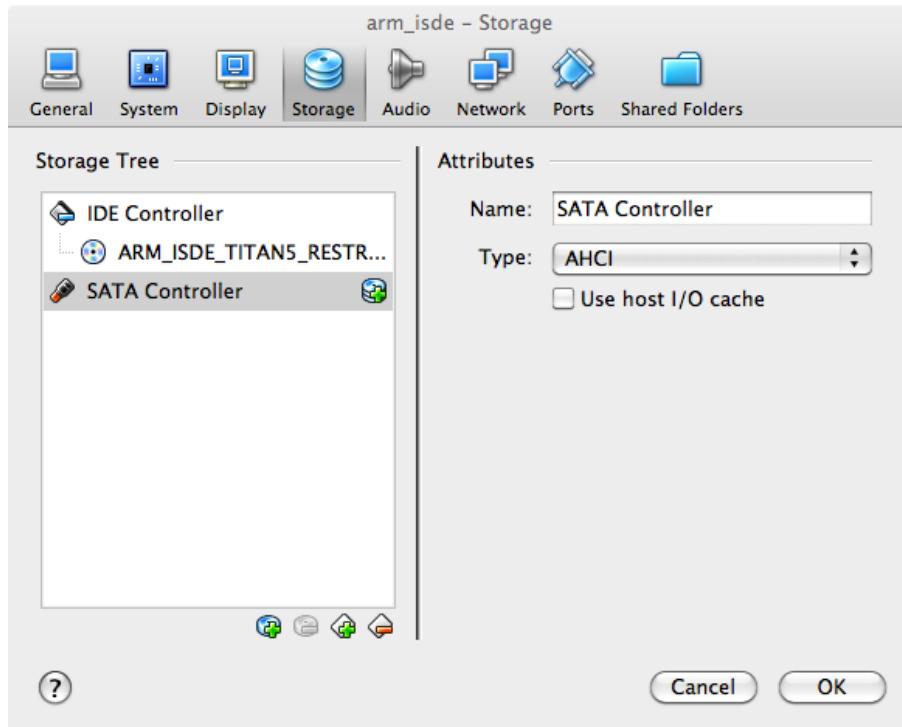
Comment [S1]: Add relative link to SetupLocalISDEInstallLiveCDMac.pdf here

Tutorial

- 1) Start VirtualBox, highlight your virtual machine, and click on the Settings button.



- 8) Click on the Storage button in the top pane and click on the “SATA Controller”. When the Disk icon appears to the right of “SATA Controller” click on the disk.



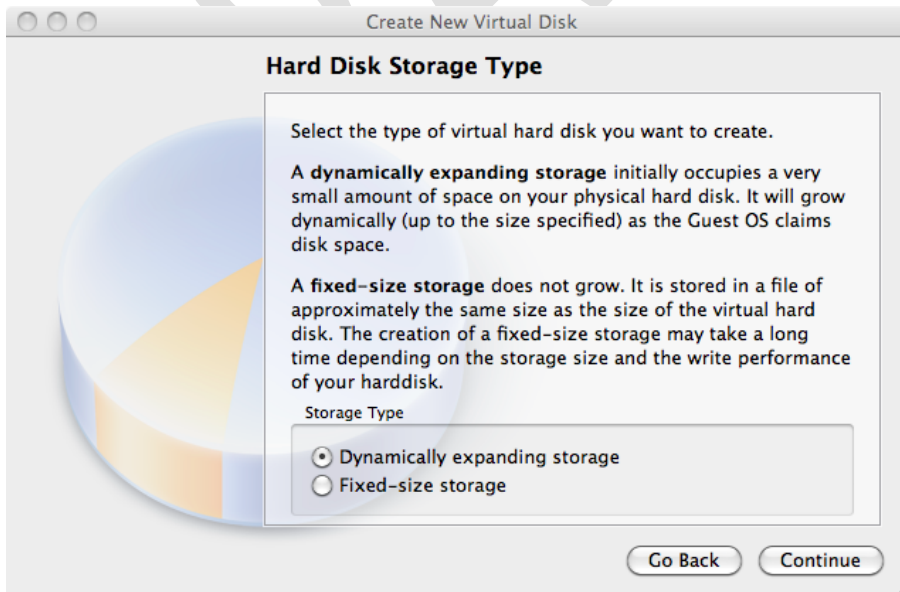
- 9) If multiple pre-defined disks appear keep clicking on the SATA Controller disk icon until you receive this dialog. Click on the "Create" button.



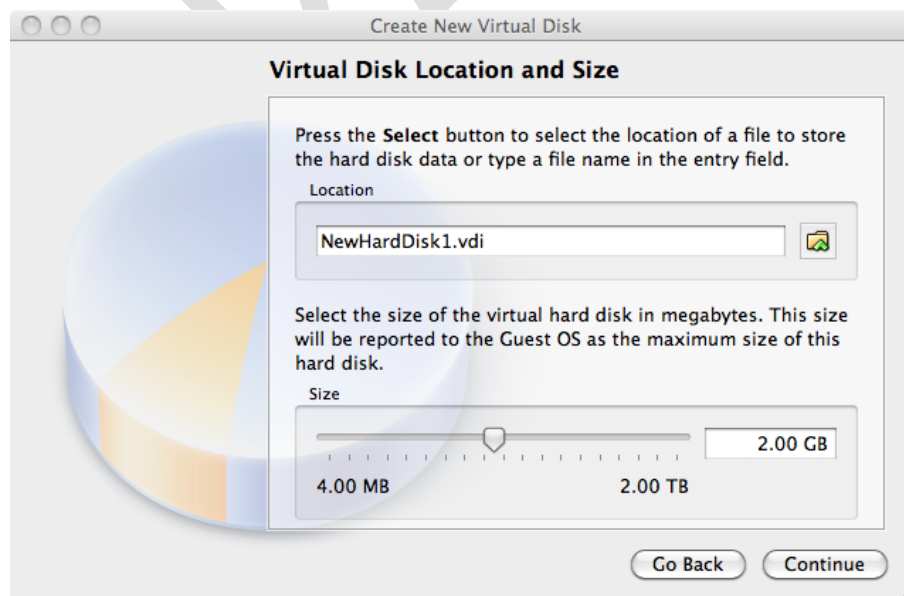
10) Click on the "Continue" button.



11) Click on the "Continue" button.



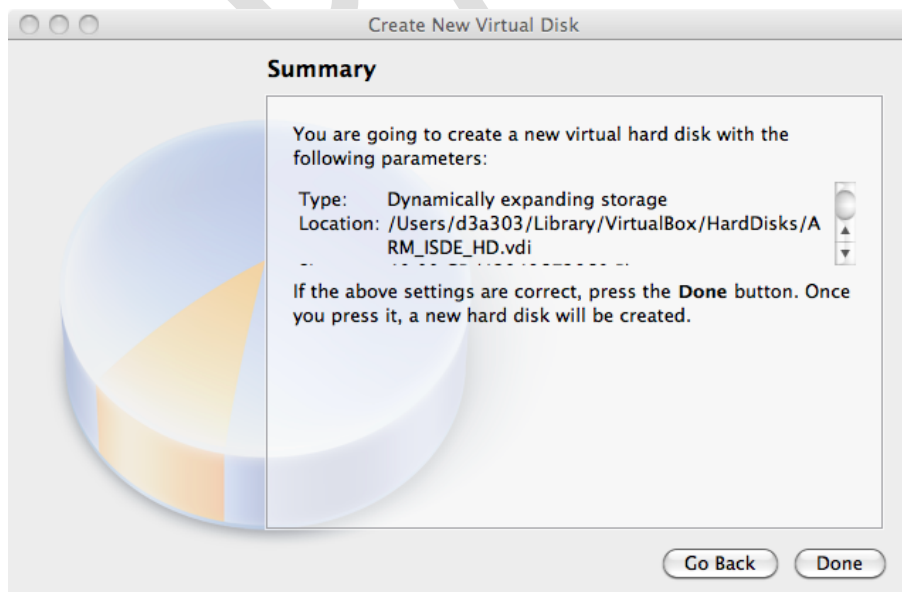
- 12) Rename the virtual disk e.g. ARM_ISDE_HD.vdi and change the disk size to at least 40GB. Setting the disk size to 40GB does not mean that you will ever use this amount of storage. Disk storage is configured to grow dynamically and will initially be relatively small. Setting the disk size too small creates problems later if the VM root directory is not proportionally big enough.



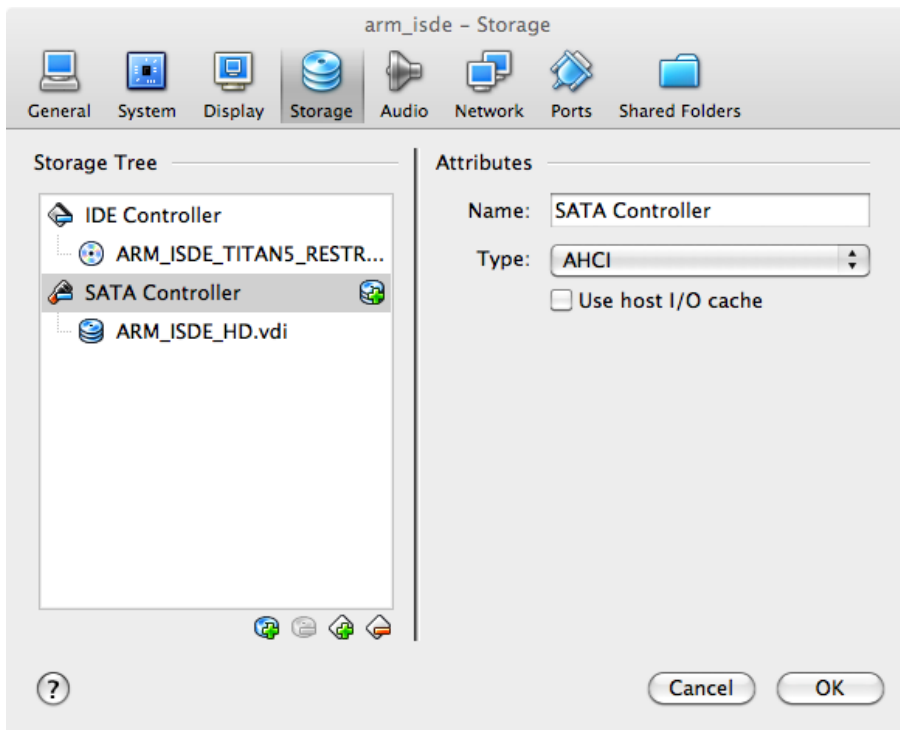
13) Click on the "Continue" button.



14) Click on the "Done" button.

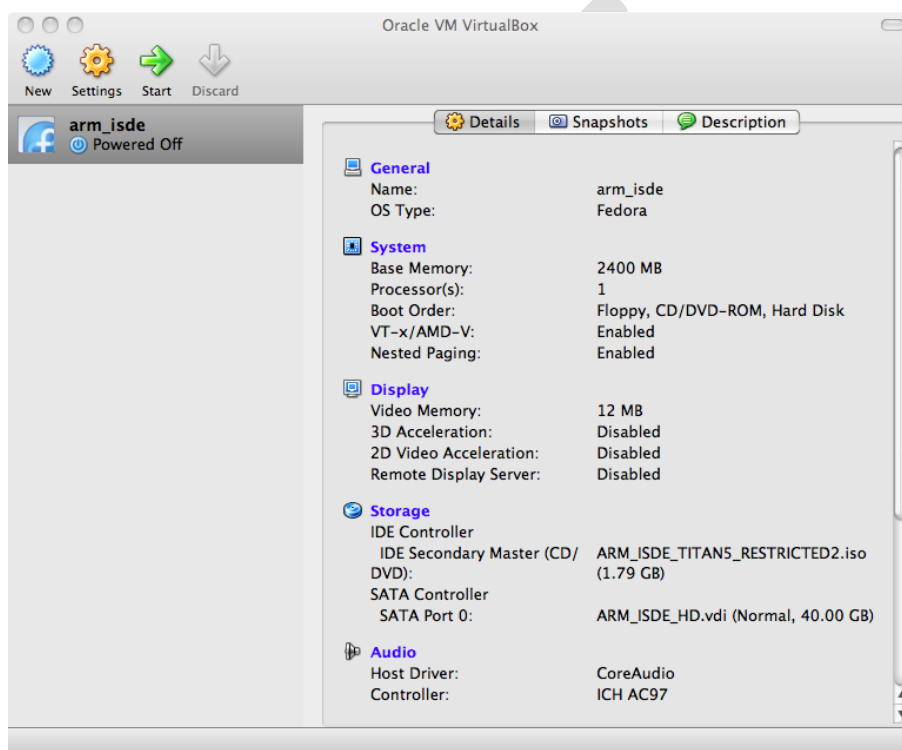


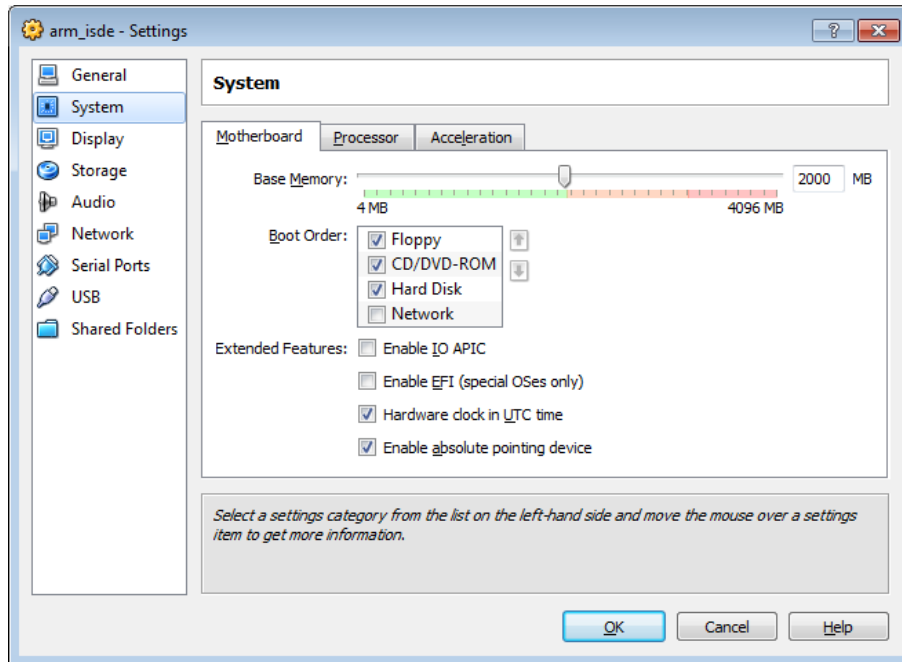
- 15) Under the SATA Controller check to see if any other drives appear other than the one you created. Release them from your virtual machine by a right mouse click. When only your newly created hard drive appears un



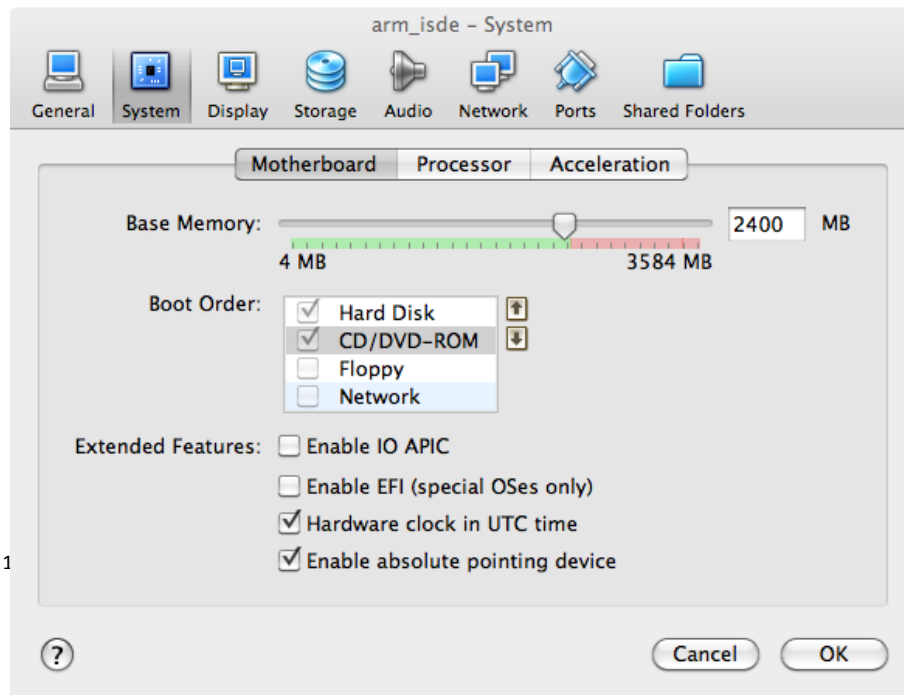
the SATA Controller click the "OK" button.

16) Click on the “System” button in the left pane to set up the boot order.

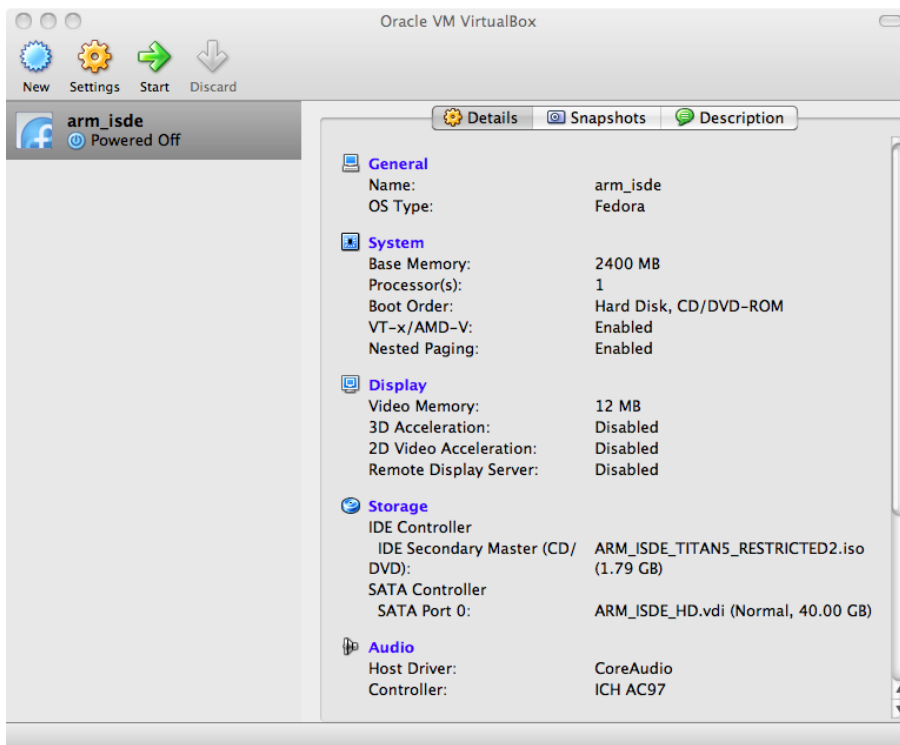




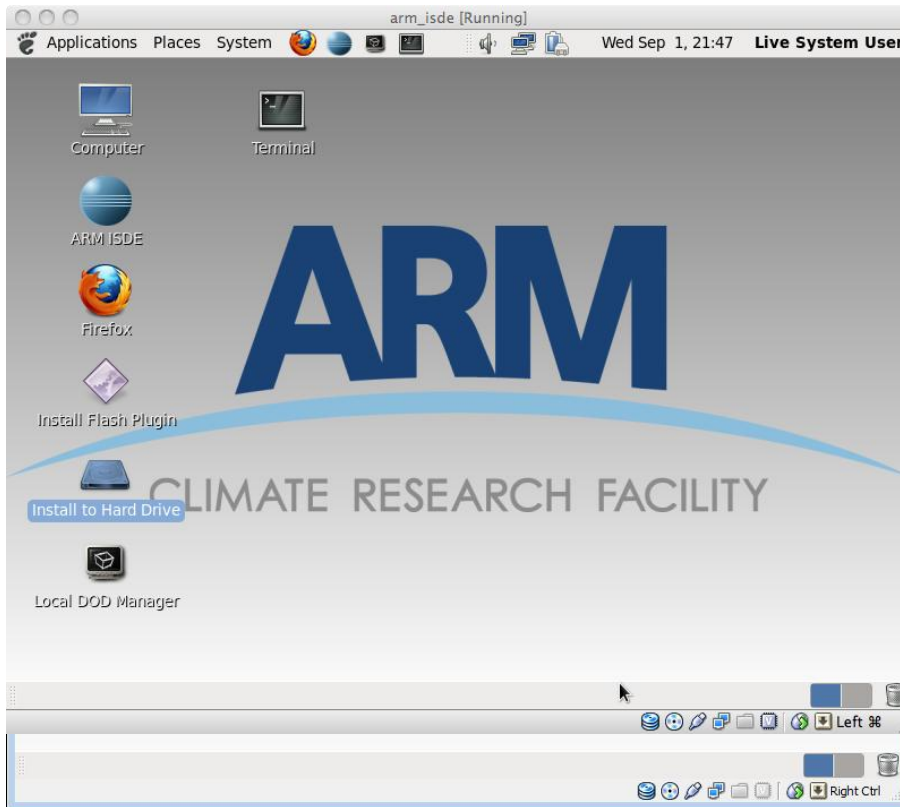
- 17) Click on the up/down arrows to set the boot order as shown below with the "Hard Disk" above the CD/DVD-Rom. Make sure "Hard Disk" and "CD/DVD-ROM" are checked. Click the "OK" button when finished. Note: This step may save some trouble in the future. When we reboot the system, because nothing has been saved, the installation will default to the LiveCD, once the Hard Drive installation process has been completed, you will by default start on the Hard Drive as opposed to mistakenly starting up on the LiveCD.



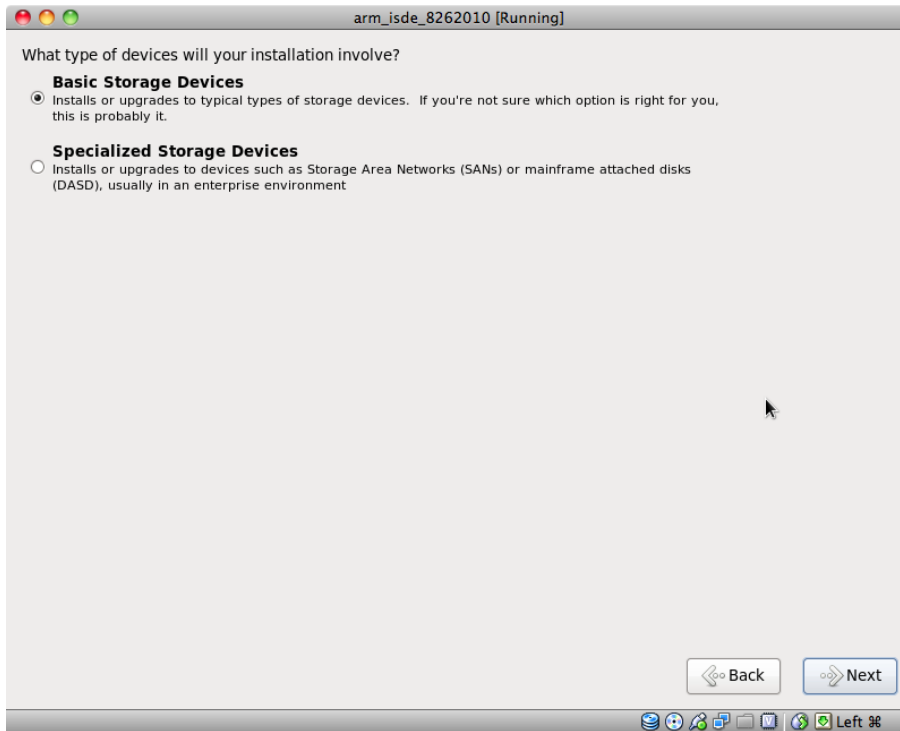
19) Click on the “Start” button.



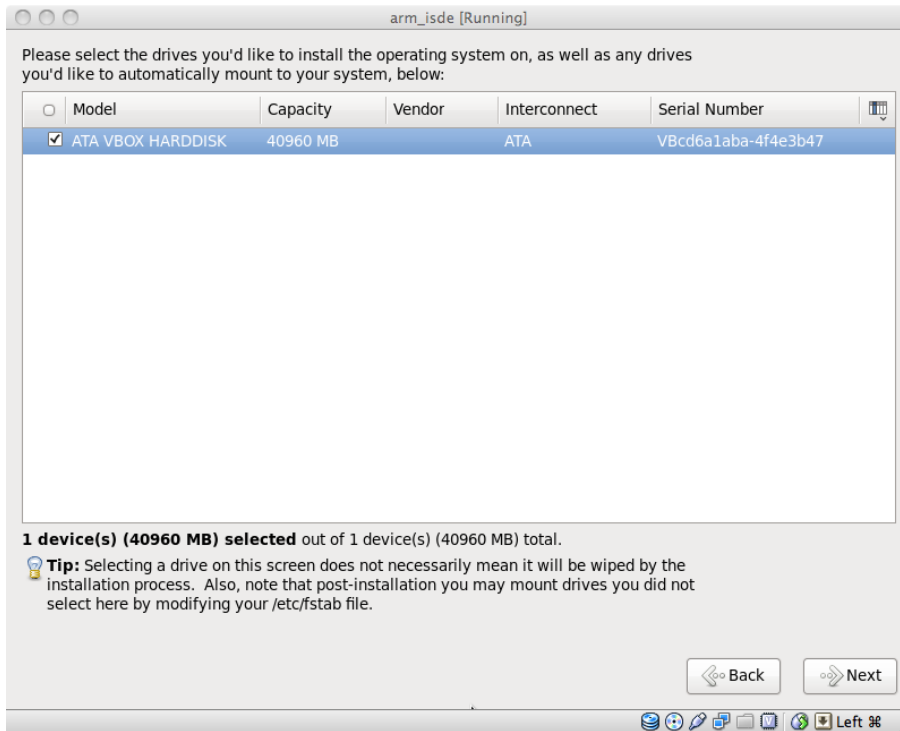
20) After the LiveCD boots up, cancel Eclipse and double click on “Install to Hard Drive” to begin the process of configuring a persistent local copy of the LiveCD configuration.



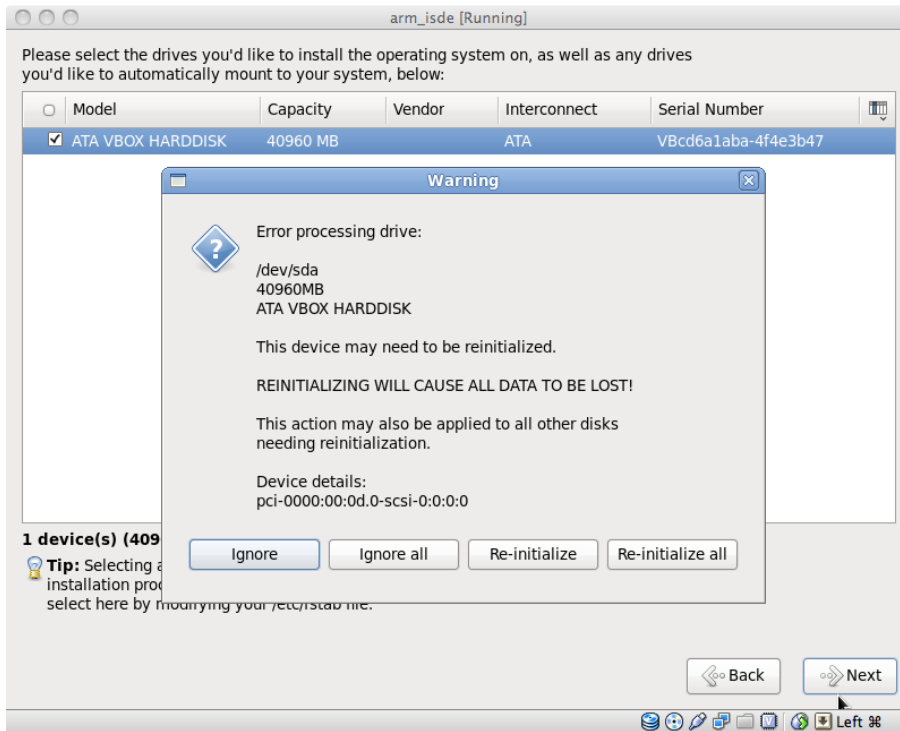
21) A blue screen will appear. Click on the “Next” button, verify your keyboard language, click on “Next”, then make sure “Basic Storage Devices” is selected and click on the “Next” button.



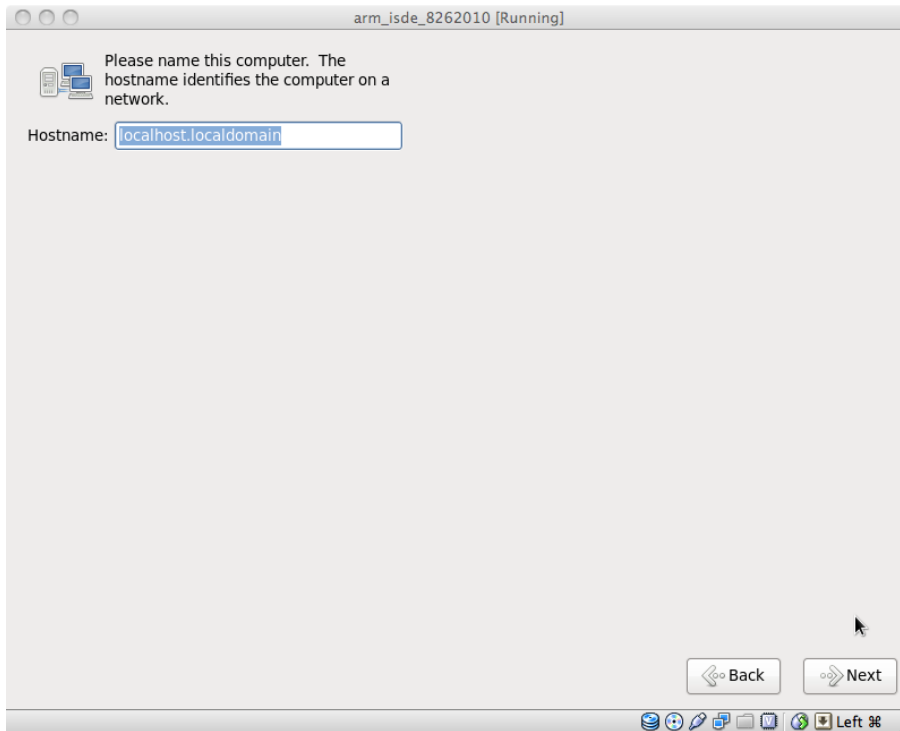
22) Check the harddisk (there should only be one disk) and click on the "Next" button.



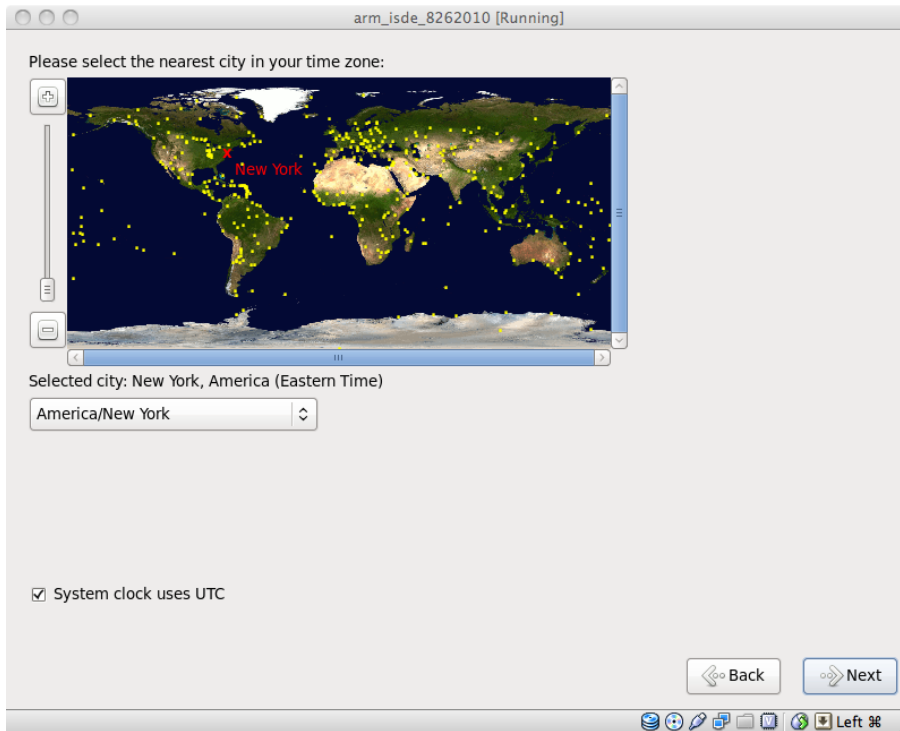
23) A Warning dialog will appear, click on the "Re-initialize" button.



24) Click on the "Next" button.




25) Select your time zone either by clicking on the map of a locale in your time zone or by selecting a city in the combo box. Click on the "Next" button.



26) Select and remember a root password for administrative activities. Remember there is no way to recover this password if lost. Click on the “Next” button.


arm_isde_8262010 [Running]

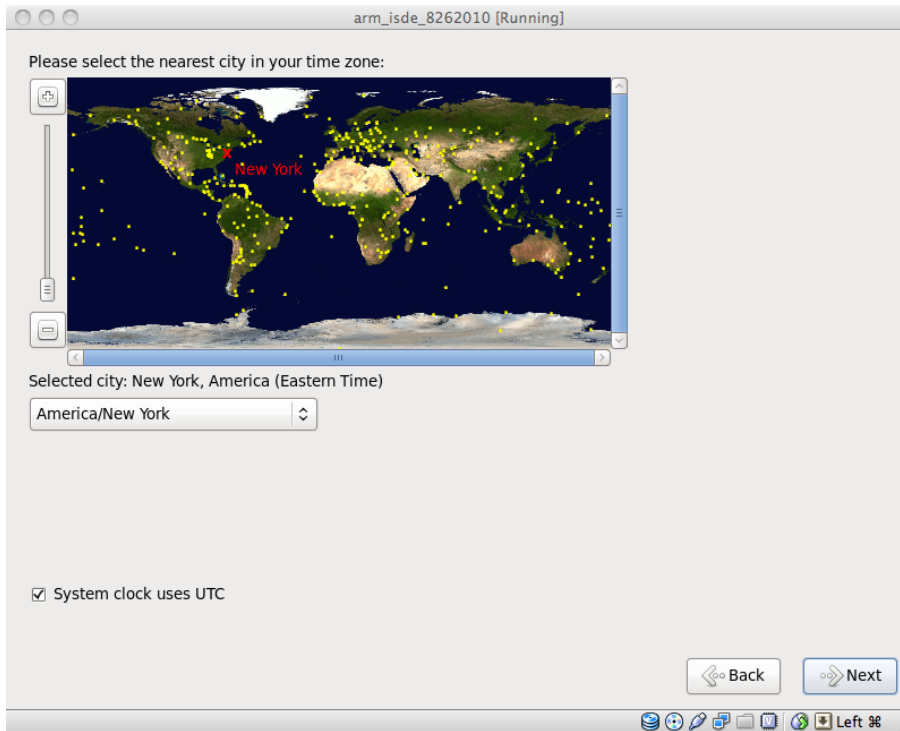
 The root account is used for administering the system. Enter a password for the root user.

Root Password:

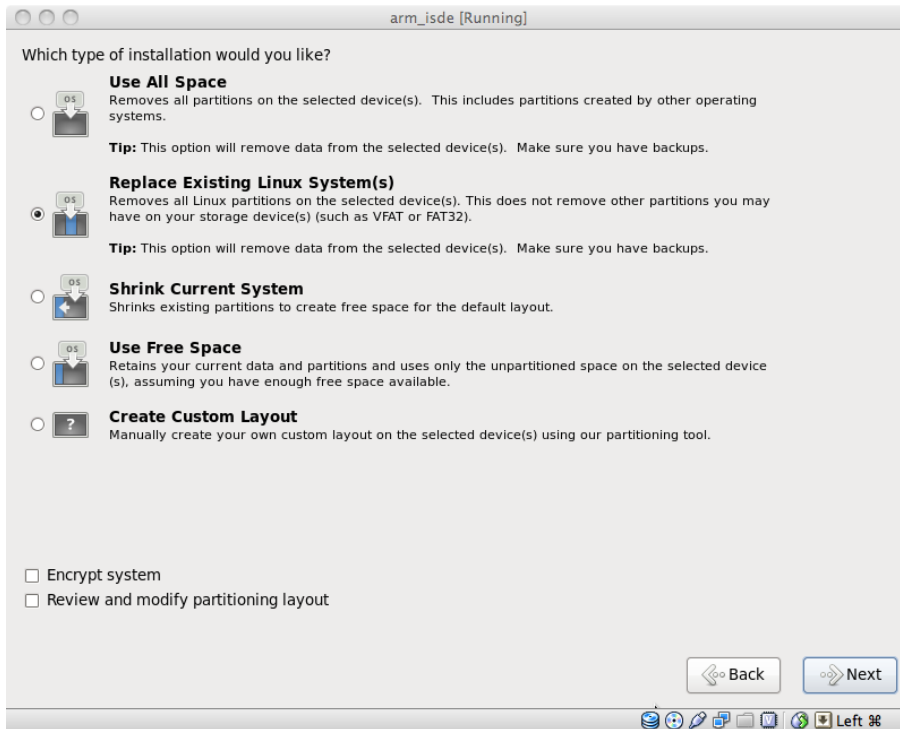
Confirm:

[< Back](#) [Next >](#)

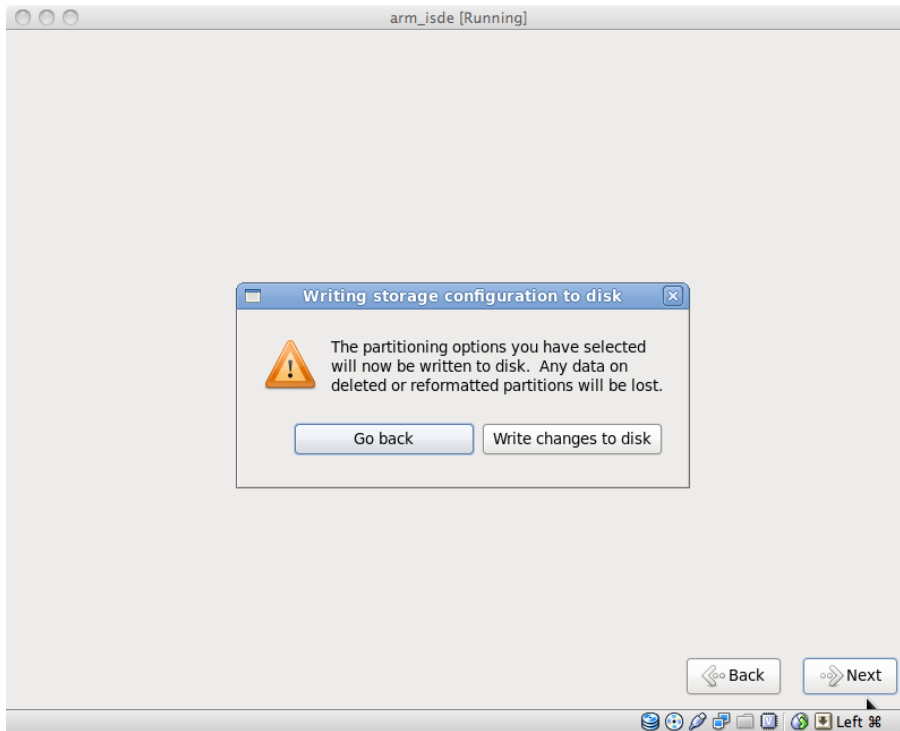
 Left 38



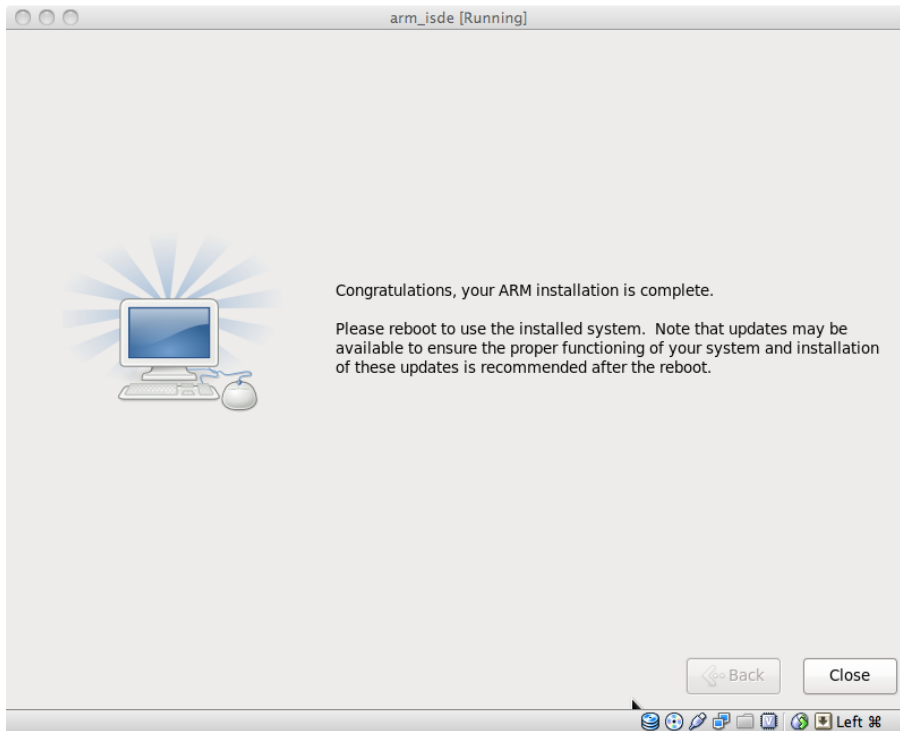
27) Choose “Replace Existing Linux System(s)”. Click on the “Next” button.



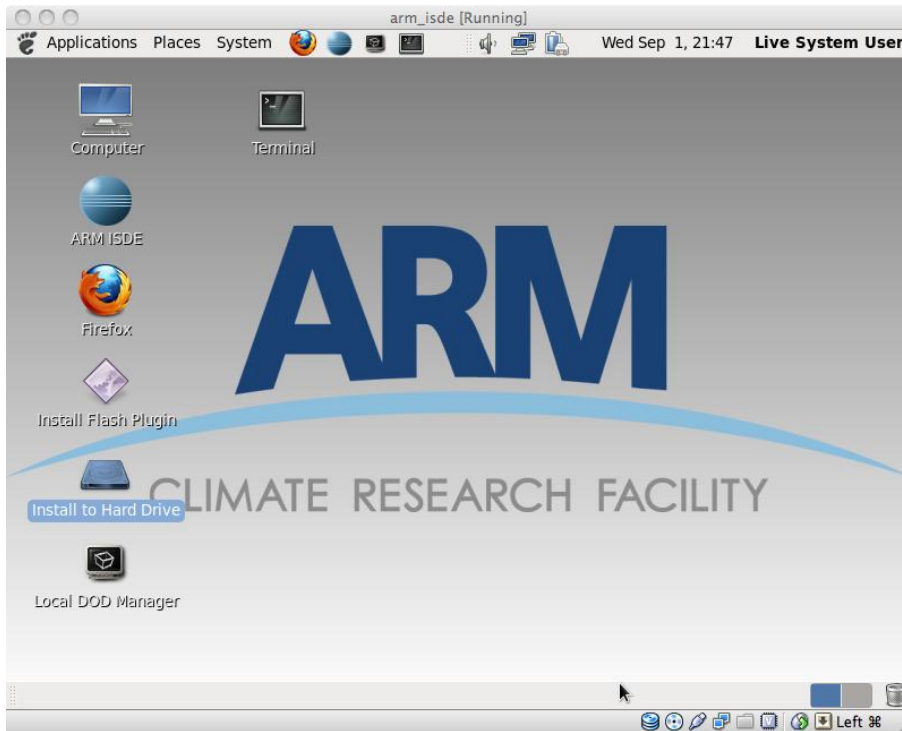
28) A dialog will appear, click on “Write changes to disk” to begin the installation. This process may take ½ hour to an hour do not disrupt this process until it is finished.



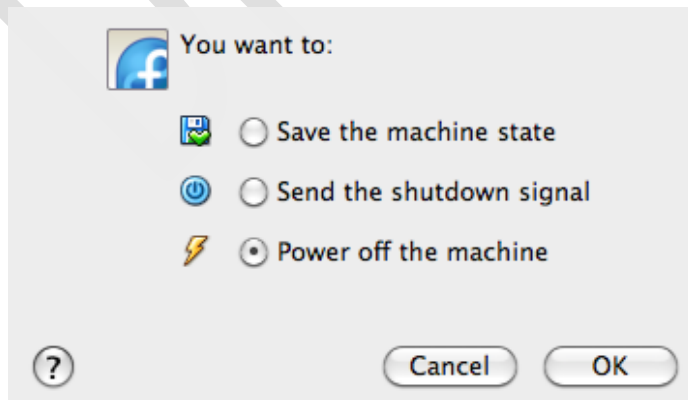
29) When completed the following message will appear. Click the "Close" button.



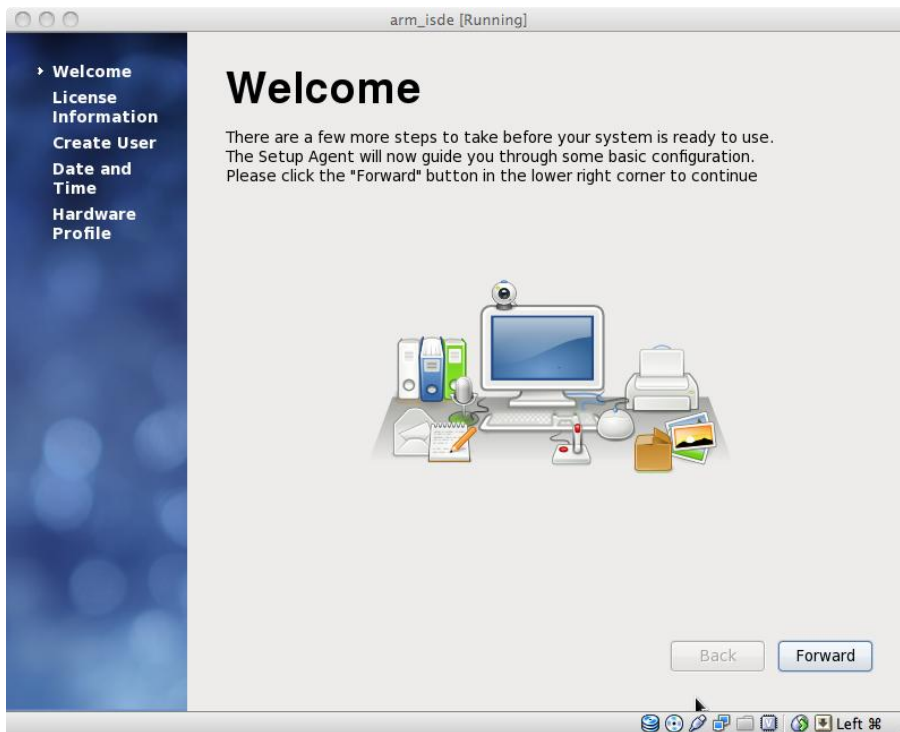
30) Click on the red button at the upper left hand corner of your virtual machine window.



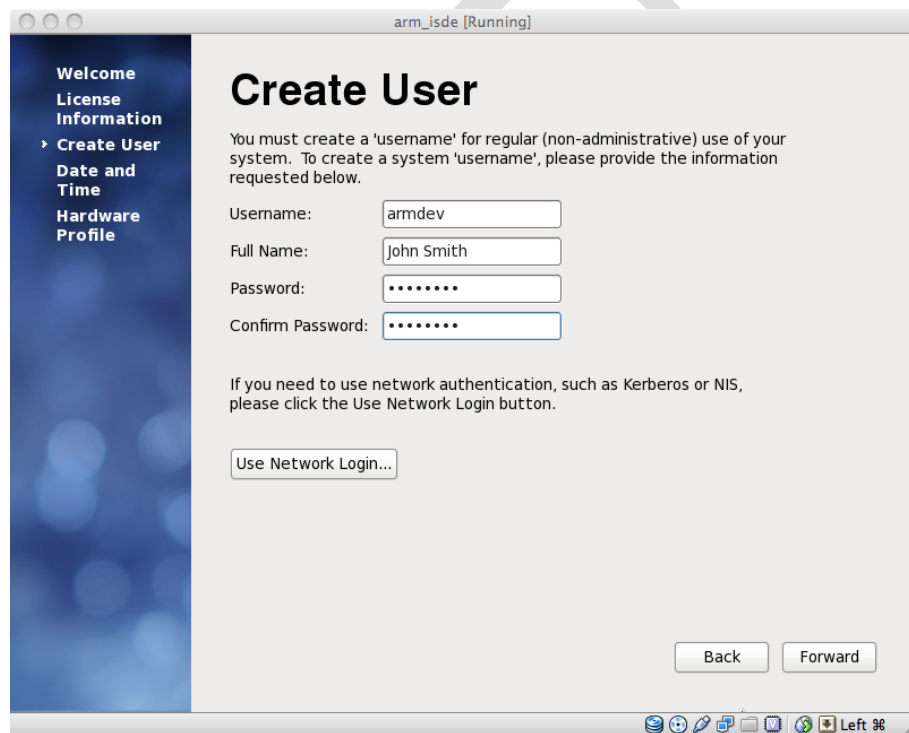
31) Select "Power off the machine. Click on the "OK" button.



32) Click on the "Start" button to restart the Virtual Machine. Click on the "Forward" button twice to get through the welcome and licensing information.



33) Create a new user account by filling out the "Create User" form. Click "Forward" button when the form is



The screenshot shows a window titled "arm_isde [Running]" with a "Create User" form. On the left is a dark blue sidebar with a list of options: "Welcome", "License Information", "Create User" (highlighted with a right-pointing arrow), "Date and Time", and "Hardware Profile". The main area has a light gray background. At the top, it says "Create User" in large bold text. Below that, a paragraph explains that a 'username' must be created for regular (non-administrative) use and that system 'username' creation requires providing specific information. There are four input fields: "Username:" with the text "armdev", "Full Name:" with "John Smith", "Password:" with seven dots, and "Confirm Password:" with seven dots. Below these fields is a paragraph about network authentication (Kerberos or NIS) and a "Use Network Login..." button. At the bottom right of the form are "Back" and "Forward" buttons. The window's title bar and a standard OS taskbar are visible.

arm_isde [Running]

Welcome
License
Information
➤ Create User
Date and
Time
Hardware
Profile

Create User

You must create a 'username' for regular (non-administrative) use of your system. To create a system 'username', please provide the information requested below.

Username:

Full Name:

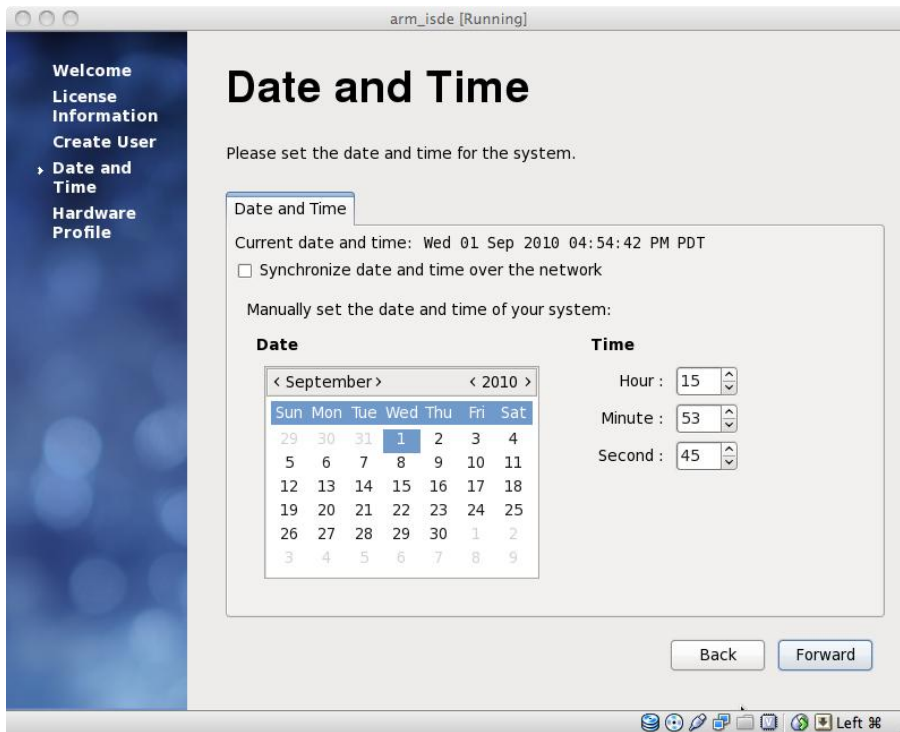
Password:

Confirm Password:

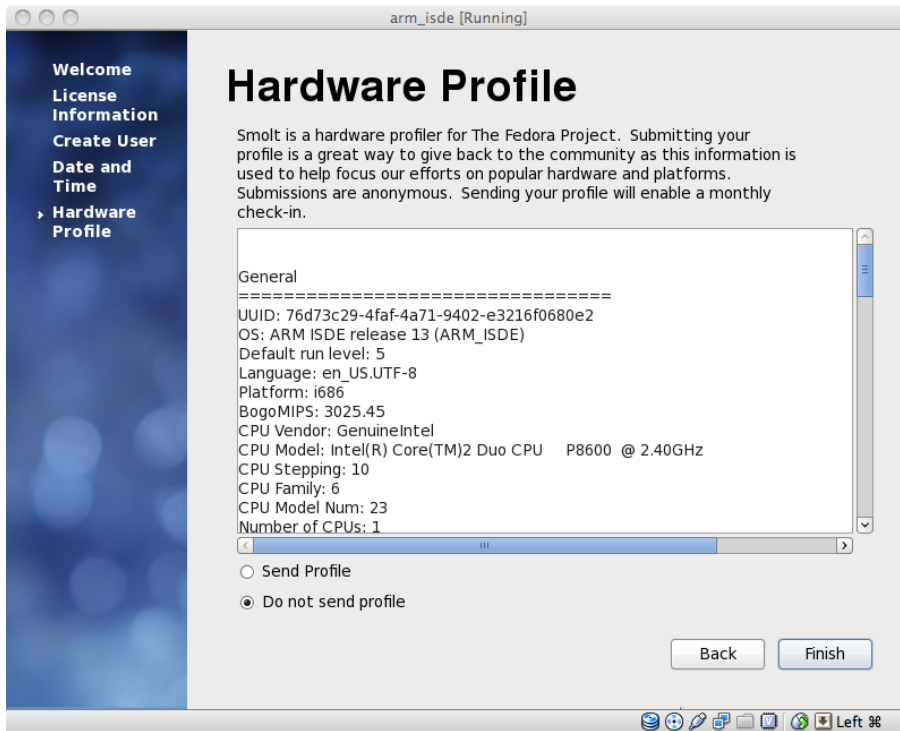
If you need to use network authentication, such as Kerberos or NIS, please click the Use Network Login button.

complete.

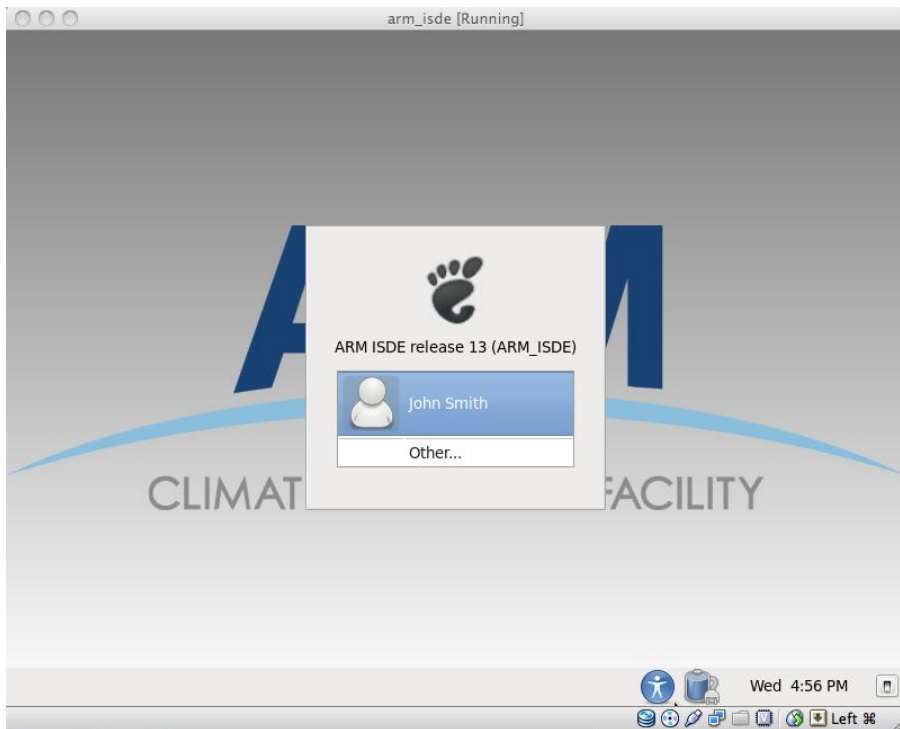
34) Click the "Forward" button.



35) Select "Do not send profile". Click on the "Finish" button, and click on the "No, do not send" button in the confirmation dialog.



36) Login based on your new account to verify that your installation was successful.



Related Tutorials

<link to all tutorials relying on Install NX Client>

References

Acknowledgements

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